

## EAST Search History

| Ref # | Hits | Search Query        | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---------------------|---|------------------|---------|---------------------|
| L1    | 2    | ("7277407").PN.     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/24<br>11:38 |
| L2    | 2    | ("6766144").PN.     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/24<br>11:39 |
| L3    | 2    | ("20020009156").PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/24<br>11:43 |
| L4    | 2    | ("20020018530").PN. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/24<br>11:43 |
| L5    | 2    | gb-2353437-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/02/24<br>11:43 |
| L6    | 1    | wo-0169814-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/02/24<br>11:44 |
| L7    | 2    | ep-1143636-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/02/24<br>11:45 |

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| L8  | 2  | ep-1146660-\$.did.                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/24<br>11:45 |
| L9  | 2  | ep-1175022-\$.did.                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/24<br>11:45 |
| L10 | 1  | wo-0232017-\$.did.                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/24<br>11:46 |
| S1  | 81 | ((BURKHARD) near2<br>(BECKER)).INV.    | US-PGPUB;<br>USPAT  | OR | ON | 2009/02/20<br>09:21 |
| S2  | 82 | ((BURKHARD) near2<br>(BECKER)).INV.    | EPO; JPO;<br>DERWENT  | OR | ON | 2009/02/20<br>09:23 |
| S3  | 6  | ((CHRISTIAN) near2<br>(DREWES)).INV.   | US-PGPUB;<br>USPAT  | OR | ON | 2009/02/20<br>09:24 |
| S4  | 13 | ((CHRISTIAN) near2<br>(DREWES)).INV.   | EPO; JPO;<br>DERWENT  | OR | ON | 2009/02/20<br>09:25 |
| S5  | 14 | ((JURGEN) near2<br>(NIEDERHOLZ)).INV.  | US-PGPUB;<br>USPAT  | OR | ON | 2009/02/20<br>09:25 |
| S6  | 0  | ((JURGEN) near2<br>(NIEDERHOLZ)).INV.  | EPO; JPO;<br>DERWENT  | OR | ON | 2009/02/20<br>09:26 |
| S7  | 34 | ((MANFRED) near2<br>(ZIMMERMANN)).INV. | US-PGPUB;<br>USPAT  | OR | ON | 2009/02/20<br>09:26 |
| S8  | 47 | ((MANFRED) near2<br>(ZIMMERMANN)).INV. | EPO; JPO;<br>DERWENT  | OR | ON | 2009/02/20<br>09:26 |
| S9  | 2  | ep-1146660-\$.did.                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/20<br>09:29 |
| S10 | 2  | ep-1175022-\$.did.                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/20<br>09:30 |

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| S11 | 1   | wo-0232017-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/20<br>09:31 |
| S12 | 3   | ("7116723").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/20<br>09:35 |
| S13 | 10  | ("20010038356"  <br>"20020009156"  <br>"5471647"   "5634199"  <br>"5987076"   "6185258"  <br>"6317411"   "6542556"  <br>"6766146"   "6775329").<br>PN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/02/20<br>09:35 |
| S14 | 234 | ("fsm" or feedback) and<br>(real) and (imaginary or<br>"imag") and complex and<br>"umts"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/20<br>09:44 |
| S15 | 32  | S14 and (375/267 or<br>375/299 375/347 or<br>455/67 or 455/522).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/20<br>09:45 |
| S16 | 2   | ("5634199"   "6131016").<br>PN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/02/20<br>09:47 |
| S17 | 247 | ("fsm" or feedback) and<br>(real) and (imaginary or<br>"imag") and "umts"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/20<br>09:52 |
| S18 | 34  | S17 and (375/267 or<br>375/299 375/347 or<br>455/67 or 455/522).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/20<br>09:53 |
| S19 | 37  | S14 and (375/267 or<br>375/299 375/347 or<br>455/69 or 455/522).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/20<br>09:56 |

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| S20 | 192  | ("fsm" or feedback) and (real) and (imaginary or "imag") and "umts" and (threshold or pre\$1determin\$4) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/20<br>09:57 |
| S21 | 34   | S20 and (375/267 or 375/299 375/347 or 455/69 or 455/522).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/20<br>09:57 |
| S22 | 6732 | ("fsm" or feedback) and (real) and (imaginary or "imag") and (threshold or pre\$1determin\$4)            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/20<br>10:01 |
| S23 | 158  | S22 and (375/267 or 375/299 375/347 or 455/69 or 455/522).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/20<br>10:01 |
| S24 | 6    | ("5634199"   "5960039"   "6067324"   "6473467"   "6594473"   "6636495").PN.                              | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/02/20<br>10:07 |
| S25 | 287  | ((clos\$4 near3 loop near3 diversity) or "cltd") and mode and (feedback or "fsm" or "fbi")               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/20<br>12:52 |
| S26 | 97   | S25 and (375/267 or 375/299 375/347 or 455/69 or 455/522).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/20<br>12:53 |
| S27 | 4    | ("20030003873"   "6584161"   "6839326"   "6892059").PN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/02/20<br>13:04 |

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| S28 | 38 | ("20040014434"  <br>"5991273"   "6101399"  <br>"6177906"   "6275543"  <br>"6314147"   "6320898"  <br>"6347234"   "6351499"  <br>"6404803"   "6463295"  <br>"6751199"   "6754473"  <br>"6754475"   "6763011"  <br>"6766144"   "6771219"  <br>"6892059"   "6898250"  <br>"6985466"   "7035661"  <br>"7068977"   "7072409"  <br>"7079514"   "7079867"  <br>"7116723"   "7116944"  <br>"7130355"   "7133461"  <br>"7155177"   "7158793"  <br>"7180956"   "7194006"  <br>"7218666"   "7224758"  <br>"7236478"   "7248638"  <br>"7263385").PN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/02/20<br>13:09 |
| S29 | 12 | ("5592490"   "5642353"<br>"5815488"   "5828658"<br>"5933421"   "6058105"<br>"6064662"   "6067290"<br>"6097771"   "6108565"<br>"6144711"  <br>"6175550").PN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/02/20<br>13:10 |
| S30 | 2  | ("6298092").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/20<br>13:25 |

2/24/2009 11:49:58 AM

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